

# Chamika Thennakoon

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**GitHub** - <https://github.com/chamika-11?tab=repositories>

**Portfolio** - <https://chamika-11.github.io/Portfolio/>

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## ABOUT

I'm a software engineering student with hands-on experience in developing AI-driven applications. Proficient in building intelligent, scalable software using modern frameworks and tools. Adaptable and collaborative, capable of thriving in diverse environments. Dedicated to delivering high-quality, real-world solutions under tight deadlines, with a strong commitment to continuous learning and innovation.

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## SKILL SUMMARY

- **Languages:** Java, Python, C#, JavaScript, C, C++, HTML, CSS
  - **Frameworks:** React, .NET, Node, Express, Streamlit
  - **Databases:** MySQL, MongoDB, SQL Server
  - **Libraries/Tools:** Langchain, Pytorch, ONNX, OpenCV, Tesseract
  - **Architectures & Infrastructure:** MCP Servers, OOP, CNN, RAG
  - **Tools:** VS Code, MS Copilot Studio, Azure Services
  - **Soft Skills:** Problem Solving, Team Collaboration, Time Management, Creative Approach
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## PROFESSIONAL EXPERIENCE

### ENADOC

**MAR 2025 - PRESENT**

#### AI ENGINEERING INTERN

Gaining hands-on experience in AI development, computer vision, and real-world software engineering within a professional environment.

- Co-developed a YOLOv8-based real-time face verification module with webcam auto-capture and face detection. Integrated it into a Face verification system using Azure Face API.
- Contributed to a CNN + OCR system for scanned form field detection, enabling auto-fill of missing entries using LLM-generated content. Reduced human intervention and improved document completeness.

### PEOPLE'S BANK

**SEP 2022 - SEP 2023**

#### BANKING TRAINEE

- Gained experience in organizational operations and financial analysis.
- Developed strong customer-facing and time management skills.
- Supported internal system audits and contributed to a team digitization initiative to improve reporting efficiency.

## EDUCATION

Sri Lanka Institute of Information Technology (SLIIT)  
MAY 2023–Present  
BSc (Hons) in Information Technology  
Specialising in Software Engineering

## CERTIFICATIONS

Azure Services - AZ-900  
In Progress  
British Way English Academy  
Diploma In Spoken English

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## PROJECTS

### Medical Health Flow Management System

- Contributed to the development of an AI-powered clinical workflow platform that improves treatment accuracy and streamlines healthcare processes.
- Focused on integrating AI models for patient data analysis and clinical decision support.
- Technologies Used:** React, Node, Express, MongoDB, Gemini 2.5 flash

### Employee Management System

- Collaborated in a team to design and implement a comprehensive employee management web application using OOP and MVC architecture.
- Developed features for employee data handling, leave management, and role-based access control.
- Technologies Used:** Java, MySQL, HTML, CSS, JavaScript

### Document Analyzing System

- Developed a system to upload documents, classify them using a CNN model, and extract key indexes like names, dates, and locations through OCR.
- Broke down the extracted text into chunks and stored it in a vector database for quick and relevant information retrieval.
- Integrated a chatbot that lets users ask questions and get specific answers based on the document content using RAG
- Technologies Used:** Python, React, FastAPI, OpenCV, Tesseract OCR, PyTorch, LangChain

### Tea Supply Management System - (On Going)

- Leading the development of a secure digital platform to streamline tea order processing and inventory management.
- Implemented CRUD operations and role-based authentication for suppliers and administrators.
- Technologies Used:** ASP.NET Core, Angular, SQL Server,

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## REFERENCE

### Madhura Sampath

Senior Software Engineer,  
Enadoc  
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### Dhananjana Rathnayaka

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